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NOTES

SPECIFICATION FOR DL-TLG600, 4-POINT LIFT SYSTEM

• MAXIMUM SAFE WORKING LOAD (SWL) AT TOP OF TELESCOPIC CYLINDERS
STAGE 1 = 600 TONNES @ 100 BAR WORKING PRESSURE
STAGE 2 = 600 TONNES @ 140 BAR WORKING PRESSURE
STAGE 3 = 400 TONNES @ 140 BAR WORKING PRESSURE
SEE DRAWINGS DL-TLG600-005-01 AND 02 FOR LIFTING ARRANGEMENTS AND DUTY CHARTS

• STATIC TEST LOAD = 1.25 x SWL + MAXIMUM HORIZONTAL LOAD (TESTS CARRIED OUT AT FULL EXTENSION FOR EACH TELESCOPIC CYLINDER STAGE)
• DYNAMIC TEST LOAD = 1.10 x SWL (TESTS CARRIED OUT FOR EACH TELESCOPIC CYLINDER STAGE AND FOR ALL FUNCTIONS)

• MAXIMUM HORIZONTAL LOAD = 5% OF VERTICAL LOAD IN ANY DIRECTION (SEE OPERATION AND MAINTENANCE MANUAL FOR DETAILS)

• MAXIMUM SLOPE OF TRACK = 1% IN ANY DIRECTION (BOTH TRACKS AT SAME SLOPE WITHIN TOLERANCES SPECIFIED IN OPERATION AND MAINTENANCE MANUAL)

• MAXIMUM TRANSVERSE SLOPE OF HEAD BEAM = +/- 1%

• MAXIMUM WHEEL LOAD = 41 TONNES

• LIFTING AND LOWERING SPEED OF TELESCOPIC CYLINDER = 0.5 m/minute (FAST) AND 0.1 m/minute (SLOW) - CONSTANT FOR ALL TELESCOPIC CYLINDER STAGES

• LONGITUDINAL MOVEMENT SPEED OF DL-TLG600 LIFTING UNITS = 3.0 m/minute (FAST) AND 1.0 m/minute (SLOW)

• TRANSVERSE MOVEMENT SPEED OF DL-TLG600 POWERED TROLLEYS = 0.5 m/minute

• POWER SUPPLY = 380-420 VOLTS AT 50 Hz OR 440-480 VOLTS AT 60 Hz, 3 PHASE + EARTH
• MAXIMUM POWER CONSUMPTION = 15 kW RUNNING PER DL-TLG600 LIFTING UNIT

• CONTROL FOR ALL FUNCTIONS = CENTRAL WIRELESS CONTROL CONSOLE OR CONTROL PANEL AT THE CENTRAL CONTROL UNIT OR LOCAL CONTROL PANEL AT EACH DL-TLG600 LIFTING UNIT

• OPERATING TEMPERATURE = -20 TO +45 °C SUBJECT TO HYDRAULIC OIL GRADE USED

• ALL COMPONENTS OF DL-TLG600 SYSTEM SUITABLE FOR TRANSPORT IN STANDARD SHIPPING CONTAINERS

MAIN FEATURES

- 600 TONNES LIFTING CAPACITY ON FOUR LIFTING UNITS
- 150 TONNES LIFTING CAPACITY PER LIFTING UNIT
- HIGH HORIZONTAL LOAD CAPACITY
- ADJUSTABLE TRACK WIDTH FOR INCREASED STABILITY
- TRACKS CAN BE AT DIFFERENT LEVELS
- CENTRAL WIRELESS CONTROL OF ALL FUNCTIONS
- ACCURATE ADJUSTMENT OF THE LOAD POSITION TO +/-1mm IN ALL DIRECTIONS
- ALL COMPONENTS SUBJECT TO STATIC TEST AT 125% OF SWL AND DYNAMIC TESTS OF ALL FUNCTIONS AT 110% OF SWL IN ACCORDANCE WITH APPROPRIATE EUROPEAN DIRECTIVES
- ALL COMPONENTS AND COMPLETE DL-TLG600 SYSTEM CE MARKED IN ACCORDANCE WITH APPROPRIATE EUROPEAN DIRECTIVES
- ALL COMPONENTS SUITABLE FOR TRANSPORT IN STANDARD SHIPPING CONTAINERS

2 No. DL-TLG600 POWERED TROLLEYS PER HEAD BEAM WITH CHAIN DRIVE FOR SECURE LATERAL MOVEMENT. SAFE WORKING LOAD 150 TONNES PER UNIT SEE DRG DL-TLG600-003-01

DL-TLG600 HEAD BEAM TO SUIT TRACK CENTRES UP TO 11.3m SEE DRGS DL-TLG600-003-01 & 02

CENTRAL CONTROL UNIT (BY DLT) COMPRISING POWER DISTRIBUTION CABINET AND PLC CABINET

POWER IN (BY OTHERS) 60 kW MAX RUNNING

DL-TLG600 STANDARD TRACK SECTIONS AVAILABLE IN 2.8m AND 5.6m LENGTHS SEE DRG DL-TLG600-004.

WIRELESS CONTROL CONSOLE LINKED TO CENTRAL CONTROL UNIT

4 No DL-TLG600 LIFTING UNITS EACH WITH 3 STAGE TELESCOPIC CYLINDER SAFE WORKING LOAD. 150 TONNES, 150 TONNES AND 100 TONNES PER UNIT FOR TELESCOPIC CYLINDERS STAGES 1, 2 AND 3 SEE DRG DL-TLG600-002.

TRANSVERSE
LONGITUDINAL

NOTE:
HEAD BEAMS WITH POWERED TROLLEYS SHOWN.
HEAD BEAMS WITH STATIC HANGERS AVAILABLE.
SEE DRG DL-TLG600-003-02

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Project
DL-TLG600
TELESCOPIC LIFTING GANTRY

Drawing Title
4 POINT TELESCOPIC LIFTING GANTRY
GENERAL ARRANGEMENT AND SPECIFICATION

Design Eng: JM	Checking Eng: PD
Drawn by: AW	Project Eng: SAB

Scales (At A3) AS SHOWN	Drawing Status INFORMATION
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Original Drawing size: A3	Drawing No. DL-TLG600-001	Rev. N1
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